

Title (en)
STEERING DEVICE

Title (de)
LENKVORRICHTUNG

Title (fr)
DISPOSITIF DE DIRECTION

Publication
EP 4067209 A1 20221005 (EN)

Application
EP 22159141 A 20220228

Priority
JP 2021055477 A 20210329

Abstract (en)
A steering device includes: an inner tube (1) including a steering wheel; a column housing that houses the tube (1) retractably along an axis (X); a drive mechanism (K) attached to the column housing so as to cause the tube (1) to perform a retraction operation via a drive member (4, 5) reciprocating along the axis (X); a first impact absorption member (3) that is provided on one of the drive member (4, 5) and the tube (1), and includes a deformation portion (32); and an action member (7) that is provided on another, and plastically deforms the deformation portion (32). The drive member (4, 5), the first impact absorption member (3), and the action member (7) are fixed by a single fixing member (6). When a predetermined pushing load acts on the tube (1), fixing between the first impact absorption member (3) and the action member (7) is released.

IPC 8 full level
B62D 1/181 (2006.01); **B62D 1/19** (2006.01)

CPC (source: CN EP US)
B62D 1/181 (2013.01 - EP); **B62D 1/185** (2013.01 - US); **B62D 1/192** (2013.01 - CN EP); **B62D 1/195** (2013.01 - EP US)

Citation (applicant)
JP 2019127176 A 20190801 - JTEKT CORP

Citation (search report)
[A] EP 3517404 A1 20190731 - JTEKT CORP [JP] & JP 2019127176 A 20190801 - JTEKT CORP

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4067209 A1 20221005; **EP 4067209 B1 20230830**; CN 115123370 A 20220930; JP 2022152635 A 20221012; US 11623680 B2 20230411; US 2022306183 A1 20220929

DOCDB simple family (application)
EP 22159141 A 20220228; CN 202210099539 A 20220127; JP 2021055477 A 20210329; US 202217693481 A 20220314